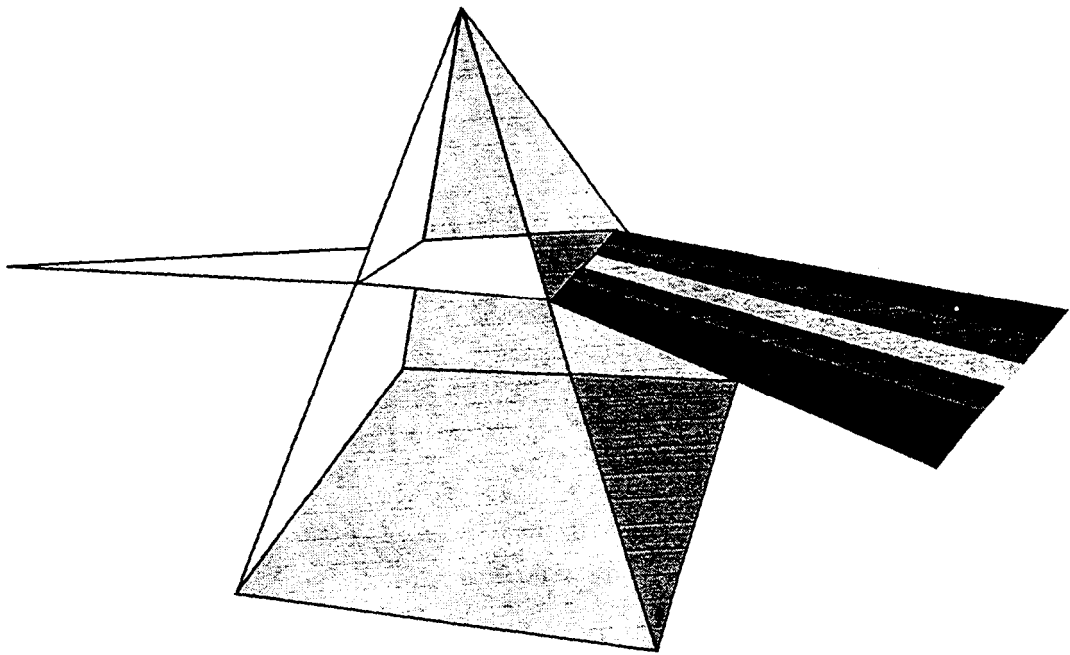


ELEMENTARY SCIENCE SCORING GUIDE FOR RELEASED ITEMS



**Missouri Assessment Program
Spring 1998**

ELEMENTARY SCIENCE SCORING GUIDE

for MAP released items

Spring, 1998

ITEM 1—1 point

Content Standard: **VIII.A.5**
Process Standard: **1.10**

Answer: living things listed in the following order (or reverse order) wheat-mouse-hawk

ITEM 2-2 points

Content Standard: **VIII.A.5**
Process Standards: **2.1, 4.1**

Possible answers: Plants (wheat) can make their own food.
Plants (wheat) get energy from the sun
Animals (hawks, mouse) cannot make their own food.
Animals (hawk, mouse) cannot use the sun to make food or energy.
Plants (wheat) cannot eat animals.
Mice eat plants (wheat).
Hawks eat mice.

(Any response that correctly applies the logic of the ordering of organisms in a food chain to a justification of the student's ordering of the three organisms.)

Scoring: 2 elements = 2 points
1 element = 1 point
0 elements = 0 points

ITEM 3-1 point

Content Standard: **II.B.1**
Process Standard 1.10

Possible answers:
Congress made laws/voted to build them.
To keep rivers from flooding
To save water for later use
To create lakes
To create areas for fishing/swimming/boating
To make/generate electricity
To encourage tourism/visitors
To create animal habitats

ITEM 4-2 points

Content Standard: **VII.D.3**
Process Standard 1.10

Answers:
“worm-like” and “many-legged” circled
“feathers” and “beak” circled

Scoring: 2 elements = 2 points
1 element = 1 point
0 elements = 0 points

ITEM ~~5~~—2 points

Content **Standard:** **VI.B.5**
Process Standard: 1.10

Possible answers:
storms
Floods
Earthquakes
Volcanic eruption
Meteorite/meteor’s impact
(any other natural cause of rapid change in the appearance of Earth’s
surface/fire/lightning/avalanche/landslide)

Scoring: 2 elements = 2 points
1 element = 1 point
0 elements = 0 points

ITEM ~~6~~—1 point

Content Standard: **III.A.2**
Process Standard; **1.10, 2.1**

Answer: any response that indicates water changes into vapor/gas and goes into the air

ITEM 7-2 points

Content Standard: IV.B.4
Process Standard: 1.6

Possible answers (first blank): Static electricity
Electric charge
Static charge
Electrostatic force

Possible answers (second blank): balloons attracted to/repelled by each other, walls, clothes
clothes/sheets sticking to themselves in the dryer
bits of paper picked up by comb
(any valid example of electrostatic attraction/repulsion)

Scoring: 2 correct answers **from** each blank = 2 points
1 correct answer in either blank = 1 point
0 correct answers in either blank = 0 points

ITEM 8-1 point

Content Standard: VI.B.6
Process Standard: 1.10

Answer: There was a lot of moisture/water vapor in the air.

PERFORMANCE EVENT ITEM SCORING GUIDE

ITEM 1-1 point

Content Standard: I.A.3
Process Standards: 1.6, 3.1

Answer: Response consistent with “My Class Thumbprint Chart”

ITEM 2-3 points

Content Standard: I.A.8
Process **Standards:** 1.8, 2.1

Scoring: Three bars consistent with data in the chart = 3 points
Two bars consistent with data in the chard = 2 points
One bar consistent with data in the chart = 1 point
Other = 0 points

ITEM 3—2 points

Content Standard: **I.A.3**
Process Standards: **3.5, 2.1**

Answers: First blank-whorl
Second blank-description includes idea of circle

Scoring: Two elements = 2 points
One element = 1 point
Other = **0 points**

ITEM 4-2 points

Content Standard **I.A.3**
Process Standards: **3.5, 2.1**

Answers: First blank-Sarah's
Second blank-Sarah's thumbprint was a whorl/circle

Scoring: Two elements = 2 points
One element = **1 point**
Other = **0 points**

ITEM 5—1 point

Content Standard : **II.C. 1**
Process Standard **1.10**

Possible answers: To solve mysteries/crimes
To identify criminals
To **find** missing persons
(Any response indicating thumbprints are clues to identifying people)